

Application No.: 10/534,010

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Docket No.: 59564(71699)

What is claimed is:

1. (Currently Amended) A method of killing a tumor cell comprising contacting the cell with at least one small inhibitory RNA (siRNA), wherein the siRNA is encoded by a nucleic acid molecule that is at least 85% identical to SEQ ID NO: 4, or a portion thereof, specific for a DNA repair protein and at least one DNA-damaging agent.

2. (Currently Amended) The method of claim 1, wherein the DNA repair protein is ~~selected from the group consisting of ATM, ATR, and DNA-PK_{cs}.~~

3. (Currently Amended) The method of claim 1, wherein the siRNA is encoded by ~~a nucleic acid sequence selected from the group consisting of SEQ ID NO:1, 2, 4, 5, 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, or 36.~~

4 - 22. (Canceled)

23. (Original) A method of treating a subject having cancer comprising administering to the subject a therapeutically effective amount of at least one small inhibitory RNA (siRNA) specific for a DNA repair protein and a therapeutically effective amount of at least one DNA-damaging agent.

24. (Currently Amended) The method of claim 23, wherein the DNA repair protein is ~~selected from the group consisting of ATM, ATR, and DNA-PK_{cs}.~~

25. (Canceled).

26 - 49. (Canceled)

50.-51 (Cancelled)

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